

The following Listing of Claims will replace all prior versions, and listings, of claims in the application.

LISTING OF CLAIMS:

1. (Currently Amended) A rotary compressor comprising:
a rotation mechanism (20) including a cylinder (21) having an annular cylinder chamber; (50);
an annular piston (22) ~~contained~~ disposed in the cylinder chamber (50) ~~eccentrically from to be eccentric to the cylinder, the annular piston dividing (21) and sectioning the~~
cylinder chamber (50) into an outer compression chamber (51) and an inner compression chamber; (52); and
a blade (23) disposed in the cylinder chamber (50) ~~and sectioning to divide each said~~
of the inner and outer compression chambers (51, 52) into a high-pressure side and a low-pressure side, said ~~the~~ rotation mechanism (20) compressing a fluid by relatively rotating the cylinder (21) and the piston, (22), ~~wherein~~
one of the ~~two~~ inner and outer compression chambers (52, 51) ~~serves as being~~ a low-stage side compression chamber (51) for compressing a low-pressure fluid into an intermediate-pressure fluid, and the other of the ~~two~~ inner and outer compression chambers (52, 51) ~~serves as being~~ a high-stage side compression chamber (52) for compressing the intermediate-pressure fluid compressed in the low-stage side compression chamber (51) into a high-pressure fluid.

2. (Currently Amended) The rotary compressor of ~~Claim~~ claim 1, wherein

the outer compression chamber ~~(51)~~ serves as the low-stage side compression chamber ~~(51)~~, and the inner compression chamber ~~(52)~~ serves as the high-stage side compression chamber ~~(52)~~.

3. (Currently Amended) The rotary compressor of ~~Claim 1~~ claim 1, further comprising

a casing ~~(10)~~ containing the rotation mechanism, ~~(20)~~, wherein the casing forming an intermediate-pressure space (4b) into which the intermediate-pressure fluid compressed in the low-stage side compression chamber (51) is introduced; is formed inside the casing (10), and

a gas injection pipe ~~(1e)~~ through which a gas is injected into the intermediate pressure space (4b) is connected to the casing (10), and configured to accommodate a gas that is injected into the intermediate pressure space.

4. (Currently Amended) The rotary compressor of ~~Claim 1~~ claim 1, further comprising

a driving mechanism ~~(30)~~ for driving the rotation mechanism, and (20), wherein the a rotation speed of the driving mechanism (30) is being variably controlled.

5. (Currently Amended) The rotary compressor of ~~Claim 1~~ claim 1, further comprising

a casing ~~(10)~~ containing the rotation mechanism, ~~(20)~~, wherein the casing (10) is formed internally with forming an intermediate-pressure space (4b) into which the intermediate-pressure fluid compressed in the low-stage side compression chamber (51) is

introduced and a high-pressure space ~~(4a)~~ into which a high-pressure fluid is introduced, the intermediate-pressure space ~~(4b)~~ being obtained by compressing, in the low-stage side compression chamber, ~~(51)~~, the intermediate-pressure fluid contained in the intermediate-pressure space ~~(4b)~~ and discharged from the high-stage side compression chamber, ~~(52)~~.

6. (Currently Amended) The rotary compressor of ~~Claim~~ claim 5, wherein the intermediate-pressure space ~~(4b)~~ is formed below the high-pressure space ~~(4a)~~, and the casing ~~(10)~~ includes an oil return passage ~~(80)~~ through which the high-pressure space ~~(4a)~~ communicates with the intermediate-pressure space, ~~(4b)~~.

7. (Currently Amended) The rotary compressor of ~~Claim-1~~ claim 1, further comprising
a driving mechanism ~~(30)~~ for driving the rotation mechanism, ~~(20)~~, wherein the driving mechanism ~~(30)~~ ~~includes~~ including a stator, ~~(32)~~, a rotor ~~(31)~~ and a drive shaft ~~(33)~~ coupled to the rotor, ~~(31)~~; the drive shaft ~~(33)~~ ~~includes~~ including an eccentric part ~~(35)~~ that is eccentric from ~~the~~ a center of rotation, the eccentric part ~~(35)~~ ~~is being~~ coupled to the rotor, ~~(20)~~, and a part of the drive shaft ~~(33)~~ located ~~to~~ at both axial sides of the eccentric part ~~(35)~~ is being supported via bearing parts ~~(18, 19)~~ in a the casing, ~~(10)~~.

8. (Currently Amended) The rotary compressor of ~~Claim~~ claim 1, wherein the piston ~~(22)~~ ~~has a shape of C obtained by cutting an annular ring,~~ is C-shaped to form a gap,

the blade ~~(23)~~ extends from ~~the~~ an inner peripheral wall surface of the cylinder chamber ~~(50)~~ to ~~the~~ an outer peripheral wall surface thereof and passes through the ~~cut-part gap~~ of the piston, ~~(22)~~; and

the gap has a swing bushes (27) coming in surface contact with bushing contacting the piston ~~(22)~~ and the blade ~~(23)~~ are disposed in the cut part of the piston (22) therein such that the blade ~~(23)~~ is reciprocatable and the blade ~~(23)~~ is swingable relative to the piston. ~~(22)~~.